



Component - Plastics

File Number: E82268

ASAHI KASEI CORPORATION

1-3-1 YAKO, KAWASAKI-KU, KAWASAKI-SHI KANAGAWA 210-0863 JP



P100Z, 100Z

Modified Polyphenylene Ether Resin (m-PPE), pellets, Modified

Flammability	Value	Test Method
Flame Rating		UL 94
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
6.0 mm, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0, 5VA	
6.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
1.5 mm	PLC 0	
3.0 mm	PLC 0	
6.0 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746
1.5 mm	PLC 2	
3.0 mm	PLC 2	
6.0 mm	PLC 3	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	49 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+14 ohms·cm	ASTM D257
Volume Resistivity	1.0E+14 ohms·cm	IEC 60093
Arc Resistance	PLC 7	ASTM D495
Electric Strength	49 kV/mm	IEC 60243-1
Thermal	Value	Test Method
RTI Elec		UL 746
1.5 mm	95.0 °C	
3.0 mm	95.0 °C	
6.0 mm	95.0 °C	
RTI Imp		UL 746
1.5 mm	85.0 °C	
3.0 mm	85.0 °C	
6.0 mm	85.0 °C	
RTI Str		UL 746
1.5 mm	95.0 °C	
3.0 mm	95.0 °C	
6.0 mm	95.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.0 %	ASTM D1042
Dimensional Stability	0.0 %	ISO 2796

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